

GenCore version 4.5
 Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 4, 2002, 16:09:06 ; Search time 165.17 Seconds
 (without alignments)
 147.946 Million cell updates/sec

Title: US-09-052-089a-3
 Perfect score: 1066
 Sequence: 1 RTIINKLFFDIAQEEENVLD.....DLSQADKEIMSLKKKLTMLQ 220

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 747574 seqs, 111073196 residues

Total number of hits satisfying chosen parameters: 747574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 10%

Listing first 45 summaries

Database : A_Geneseq_032802:*

1: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1980.DAT:*

2: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1982.DAT:*

3: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1983.DAT:*

4: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1984.DAT:*

5: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1985.DAT:*

6: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1986.DAT:*

7: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1987.DAT:*

8: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1988.DAT:*

9: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1990.DAT:*

10: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1991.DAT:*

11: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1992.DAT:*

12: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1993.DAT:*

13: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1994.DAT:*

14: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1995.DAT:*

15: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1996.DAT:*

16: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1997.DAT:*

17: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1998.DAT:*

18: /SIDS5/gcdata/geneseq/geneseq/emb1/AA1999.DAT:*

19: /SIDS5/gcdata/geneseq/geneseq/emb1/AA2000.DAT:*

20: /SIDS5/gcdata/geneseq/geneseq/emb1/AA2001.DAT:*

21: /SIDS5/gcdata/geneseq/geneseq/emb1/AA2001.DAT:*

22: /SIDS5/gcdata/geneseq/geneseq/emb1/AA2001.DAT:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match length	DB ID	Description
1	1046	98.1	469	19	AAW3781
2	1046	98.1	469	20	AAV30149
3	158	15.6	962	20	AAV31546
4	167.5	15.7	1017	22	AAE02246
5	167	15.7	484	22	AAW7985
6	167	15.7	533	22	AAW7995
7	166.5	15.6	875	22	AAE02245
8	166.5	15.6	878	22	AAE02242
9	154	13.4	1374	22	AAE6907
10	161	15.1	1325	18	AAW19540
11	15.1	1325	20	AAW94391	Mouse male enhance
ALIGNMENTS					
RESULT	1				
XX	AAW3781	standard	Protein:	469 AA.	
AC	AAW3781;				
XX					
DT	28-AUG-1998	(first entry)			
XX					
DE	BRCAl modulator protein 091-21A31.				
XX					
KW	BRCAl modulator protein; 091-21A31; breast cancer antigen 1; tumour suppressor protein; diagnosis; therapy; human.				
XX					
OS	Homo sapiens.				
XX					
FH	Key	Location/Qualifiers			
FT	Domain	3..54			
FT		/note= "zinc finger motif"			
FT	Domain	239..255			
FT		/note= "leucine zipper motif"			
XX					
PN	W0981006-A1.				
XX					
PD	12-MAR-1998.				
XX					
PF	06-AUG-1997;	97W0-US13944.			
XX					
PR	04-SEP-1996;	96US-0025601.			
XX					
PA	(ONYX-) ONYX PHARM INC.				
XX					
XX	Lilgenfelter C, Polakis P, Rubinfeld B, Vuong TT;				
DR	WPI, 1998-193616/17.				

FT	Modified-site	18	CC	overlapping and/or extended cDNA sequences and is a consensus.
FT	Modified-site	34	CC	TRANP-1 to 9 (AAV1639-Y31647) are a novel group of proteins with
FT	Modified-site	81	CC	chemical and structural homology that are involved in molecular
FT	Modified-site	91	CC	transport. Various disorders are associated with defects in the
FT	Modified-site	101	CC	environment. Examples of such disorders include cystic fibrosis,
FT	Modified-site	123	CC	multidrug resistance, hypercholesterolaemia and certain forms of diabetes
FT	Modified-site	129	CC	melitus. Defective nuclear transport may play a role in cancer. For
FT	Modified-site	243	CC	example, the BRCA1 protein, associated with familial breast cancer, is
FT	Modified-site	336	CC	normally imported into the nucleus via nuclear pore complexes, but is
FT	Modified-site	410	CC	aberrantly located in the cytoplasm in breast cancer cells. In other
FT	Modified-site	431	CC	cancers, cells can secrete excessive amounts of hormones e.g. cancers of
FT	Modified-site	453	CC	the adrenal medulla can secrete excessive amounts of adrenaline and
FT	Modified-site	535	CC	noradrenaline, leading to hypertension. TRANP is expressed in cancer
FT	Modified-site	631	CC	cells, and transport disorders result from either excessive or
FT	Modified-site	632	CC	insufficient molecular transport. Anti-TRANP antibodies and nucleic acids
FT	Modified-site	671	CC	encoding TRANP can be used as diagnostic tools for such disorders. TRANP
FT	Modified-site	717	CC	antagonists can be used to treat or prevent a cancer associated with
FT	Modified-site	734	CC	increased TRANP expression. Anti-TRANP antibodies can be used directly
FT	Modified-site	758	CC	as an antagonist or as a targeting mechanism for drugs. Alternatively,
FT	Modified-site	780	CC	a a TRANP antisense nucleotide can be used to treat cancers. A TRANP
FT	Modified-site	814	CC	agonist or expression vector may be used to treat a disorder caused by
FT	Modified-site	882	CC	reduced transport of biologically active molecules.
FT	Modified-site	890	CC	
FT	Modified-site	902	CC	
FT	Modified-site	905	CC	
XX	W09941373-A2.		CC	
XX	19-AUG-1999.		CC	
XX	05-FEB-1999;	99K0-US02527.	CC	
XX	11-FEB-1998;	98US-0021764.	CC	
XX	(INCY-)	INCYTE PHARM INC.	CC	
XX	PI	Au-Young J, Bandian O, Baughn MR, Corley NC, Guedier RJ;	CC	
XX	PI	Hillman JL, Lal P, Yue H;	CC	
DR	WPI:	1999-508646/42.	CC	
DR	N-PSDB;	AAZ11738.	CC	
XX	Human TRANP coding sequences, used to treat transport disorders and		DE	Domestic mite Bt11 allergen polymorphic variant.
PT	cancer		XX	
XX	Claim 1; Page 74-77; 87pp; English.		XX	Mite; immunogenic protein; Bt allergen; therapy; atopic dermatitis; immediate hypersensitivity; systemic anaphylaxis; allergic rhinitis; asthma; antiallergic; antiinflammatory; immunosuppressive.
XX	This sequence represents human transport-associated protein-8 (TRANP-8).		XX	
CC	The DNA sequence was first identified in a human colon tissue		OS	Blomia tropicalis.
CC	cDNA library. The full-length cDNA was derived from a series of		FH	
CC			key	Location/Qualifiers

Sequence 962 AA:

Query	Match	Score	Length
3	IINKLFDIAQEEBENVLDREFKLNDENRAQLSQDKKEKRSQVQIDTLRDTLEERNAT	15.8%	962;
Db	608 ifafeftklvklegvikkayksseedkveekvtleghan-ivthykmireddq	20.2%	65;
Qy	63 VWSIQQAGG---KAEMCUSTLKOMKTYLQDQE-----TQDQ---98	20.5%	62;
Db	666 leelrqvstlkcqneqlqatvlgqvsqiqqhqkqylnliklqgkdnqhqgqsysegqm	62;	655
Qy	99 ---EEAGRLRSKMTMKTQIQLLQSQREVEEMIRDGMVGOSA-----138	6.5%	62;
Db	726 giapeelgrlrcieelknrqneqllsqtkeskmskstsgtqeqssavardsse	1.5%	785
Qy	139 -VEQIAVVCVSLK-----150	1.5%	150
Db	786 qvaekgqelatlkqslnqsveitkqteqkqelqktaefaksvevgetetiatktd	1.5%	845
Qy	151 -----KEYNNKEARAKASEVADLKDFSSRSKQTYSEUDQAKLBSQKD 201	1.5%	201
Db	846 vegrlsallqetkelkneikalseertaqeqldssnstitialqtekdkaleitdske	1.5%	905
Qy	202 -----LQSDAKREIMSLKKL 216	1.5%	216
Db	905 qddlivlvaladqdkiklisknkl 927	1.5%	927

RESULT 4

AAE02245 ID AAE02246 standard; Protein: 1017 AA.

AAE02246; AC

AAE02246;

31-JUL-2001 (first entry)

DE

Domestic mite Bt11 allergen polymorphic variant.

XX

Mite; immunogenic protein; Bt allergen; therapy; atopic dermatitis;

immediate hypersensitivity; systemic anaphylaxis; allergic rhinitis;

asthma; antiallergic; antiinflammatory; immunosuppressive.

Blomia tropicalis.

CC were missing at the time of publication.
XX
SQ
Sequence 484 AA;

CC
XX
SQ
SQ
sequence 484 AA;

CC encoded polypeptides (AAM78323-AAM80302) that exhibit activity relating to cytokine, cell proliferation or cell differentiation or which may induce production of other cytokines in other cell populations. The CC polynucleotides and polypeptides are useful in gene therapy, vaccines or CC peptide therapy. The polypeptides have various cytokine-like activities, CC e.g. stem cell growth factor activity, haemopoietic regulating CC activity, tissue growth factor activity, immunomodulatory activity and CC activating/inhibiting activity and may be useful in the diagnosis and/or CC treatment of cancer, leukaemia, nervous system disorders, arthritis and CC inflammation.

CC Note: Records for SEQ ID NO 2110 (AAK52581), 2111 (AAK52582) and 3666 CC (AAM80020) are omitted as the relevant pages from the sequence listing CC were missing at the time of publication.

SQ	Sequence	533 AA;
Query	Match	15.7%; Score 167; DB 22; Length 533;
Best Local Similarity	24.2%; Pred. NO.	8.6e-06;
Matches	58; Conservative	50; Mismatches 94; Indels 38; Gaps 7;
QY	6 KLFDFLAAQEEENVLDREFLKNELDNVRQQLSQDKREKRDQSIVDTLRLTLEERNATVVS 65	
Db	76 kmldvkerkvnlqk---kienlqeqlrdkekqmsilkervkslqadtntdalt 130	
Ov	66 LOOATGAFAMCSTTKKMVKYFDDQPTKQDFPACTRPSKWKUTMPCFPTLILOSPVY 125	

Db 131 leelaekertierlk-----eqrdrderekgeednykkdkdkikevslqigdalek 184
 QY 126 EEMIRDMGVQGS-----AVEQOLAVCV-----SLKKEVENLNIEKARKAS 163
 Db 185 easlidkkehasslassgjkkdsrkltealedkkeeckmesqlkkhaealreas 243
 QY 164 GEVADK--LRKDITFSSKSLQTVYSELDOAKLLELSKAQDKLOSSADEKTMILSKHLTMQ 220
 Db 244 pensdrighlereitrykdedsskaqaedrdrileilkevenekndkkiael-easltsq 302

KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis; tissue growth factor; immunomodulatory; cancer; leukaemia; nervous system disorder; arthritis; inflammation.

XX OS Homo sapiens.

RESULT 7
AAFC02245
ID AA502245 standard; Protein; 875 AA.
XX
AC AAE02245;

XX	05-FEB-2001:	2001WO-US04098.
PR	03-FEB-2000:	2000US-0496914.
PR	27-APR-2000:	2000US-0560875.
PR	20-JUN-2000:	2000US-0598075.
PR	19-JUL-2000:	2000US-0620325.
PR	01-SEP-2000:	2000US-0554936.
PR	15-SEP-2000:	2000US-063561.
PR	20-OCT-2000:	2000US-0693325.
PR	30-NOV-2000:	2000US-0728422.

DE Domestic mite Bt11 allergen.
 XX Mite; immunogenic Protein; Bt allergen; therapy; atopic dermatitis;
 KW immediate hypersensitivity; systemic anaphylaxis; allergic rhinitis;
 KW asthma; antiinflammatory; immunosuppressive.
 XX Blomia tropicalis.
 OS XX WO200130817-A1.
 PN XX
 PD 03-MAY-2001.

PI Tang YT, Liu C, Drmanac RT, Zhao QA, Wang D, Wang J, Zhang J, Ren F, Chen R, Xu C, Cao Y, Ma Y; PI Xue AJ, Yang Y, Weijinran T, Goodrich R; PI XX

XX PR 26-OCT-1997 99SG-0005313.
PR 18-JUL-2000; 2000AD-0008842.
PR 18-JUL-2000; 2000AD-0008844.

PT Nucleic acids encoding polypeptides with cytokine-like activities, useful in diagnosis and gene therapy -

XX
PI
XX Chua KY, Cheong N, Lee BW;

XX
CC The invention relates to polynucleotides (AAK51456-AAK53435) and the

KW leukaemia; lymphoma; chromosome segregation. **Qy** 19 LDREELKNELDNVRAQLSOKDKERDQSQYLDLIRDLEARNATVWSQOALGKA-EMLC 77
XX
OS Homo sapiens.
XX

FT Domain **Location/Qualifiers** /note= "leucine heptad repeat"
FT Domain 340..362
FT Domain 564..593
FT Domain 1387..143
FT Domain 1885..1962
FT Domain 2146..2188
FT Domain 2165..2187
FT /note= "leucine heptad repeat"
FT Misc-difference 2188
FT Misc-difference 2300
FT /label= "Bipartite targeting motif"
FT /note= "Optionally C or G"
FT Misc-difference 2189
FT Misc-difference 2301
FT Misc-difference 2303
FT /label= "Bipartite targeting motif"
FT /note= "Optionally A or T"
XX US5710022-A. **RESULT** 14
PN XX **ID** AR99795
XX DR 20-JAN-1998. **AR** AR99795 standard; Protein; 3248 AA.
XX
PF 24-OCT-1994; 94US-0328254.
XX PR 24-OCT-1994; 94US-0328254.
XX PR 22-OCT-1993; 93US-0141239.
PA (TEXA) UNIV TEXAS SYSTEM.
XX
PI Lee, W., zhu, X.; DR
XX WPI; 1998-109817/10.
DR N-PSDB; AAV09076.
XX
PT New isolated mitosin protein and gene - useful for, e.g. developing products for therapy and diagnosis of hyper-proliferative disorders such as cancers or psoriasis
PT Claim 1; Column 40-52; 43pp; English.
XX
CC This is the amino acid sequence for mitosin, a phosphoprotein necessary for the cell to advance into the next stages of mitosis. The mitosin protein, can be used to control the growth of cells. An anti-mitosin antibody, a mutant or a non-functional analogue of mitosin can inhibit the mitotic cell cycle by preventing the cells from entering the M phase, and over expression of mitosin or its functional equivalent, would inhibit the cycle by preventing cells from leaving the M phase. Antagonists to this protein can be used to control hyperproliferative cells in, (e.g. thyroid hyperplasia, Grave's disease, psoriasis, benign prostatic hypertrophy, Li-Fraumeni syndrome, breast cancer, sarcomas and other neoplasms, bladder cancer, colon cancer, lung cancer and various leukaemias and lymphomas). Reintroduction or supplementation of lost mitosin function by introduction of the protein or nucleic acid encoding the protein into a cell can restore defective chromosome segregation, which is a marker of progressing malignancy. Malignant proliferation of cells can then be halted. The protein can also be used for the detection and diagnosis of hyperproliferative cells.
XX
SQ Sequence 2482 AA;

Query Match 14.6%; **Score** 156; **DB** 19; **Length** 2482;
Best Local Similarity 23.6%; **Pred.** No. 0..00047; **Matches** 57; **Matches** 57; **Conservative** 55; **Mismatches** 90; **Indels** 40; **Gaps** 7;

Qy 19 LDREELKNELDNVRAQLSOKDKERDQSQYLDLIRDLEARNATVWSQOALGKA-EMLC 77
Db 1571 1d1v1rseken1tqkqgqqls1dkllsfs1keqekq1kkeskt1q 1630
Qy 78 STIKQQ-----MKYLQQD---ETKQAOEAGRKSKMKTMEQTELLQS 120
Db 1631 nqkelneavaalqdgqeinkatqsg1dpieeehqrlnsiekiradekkqlcv1q 1690
Qy 121 QLPE-----VEEMIRDMQVGQSAVEQLAVYCVSLKKEYENLUBARKASGEVADK 169
Db 1691 qkeseehhadllkgrven1ereleiartrngheahaaleaheskgevet1kakiegmtqslq 1750
Qy 170 LRKDUFSSSKLQVYSELQ-----AKEL--KSAQKQLQSADKEIMSLKK---LTM 218
Db 1751 leldvvtirseken1tne1qkegeriseleinsssfenilgekeqekvqmkssstamem 1810
Qy 219 LQ 220
Db 1811 1q 1812

PT Key **Location/Qualifiers** 1.200
FT Domain /label= Extended_coiled_structure
FT Domain 280..1350
FT Domain /label= Extended_coiled_structure
FT Domain 1380..1610
FT /label= globular_domain
FT /note= "globular domain consists of 2 direct repeats of 95 amino acids"
FT Domain 1620..1750
FT Domain /label= Extended_coiled_structure
FT Domain 1850..2990
FT Domain 3048..3248
FT /label= C-terminal_domain
FT /note= "the C-terminal domain is predicted to form a proline-rich (10.6%) highly basic (pI 10) globular domain"
FT PN WO9617867-A1.
XX
PD 13-JUN-1996.
XX
PF 08-DEC-1995; 95WO-US16216.
XX PR 09-DEC-1994; 94US-0353700.
XX PA (FOXC-) FOX CHASE CANCER CENT.
PA (UYTE-) UNIV TECHNOLOGIES INT. INC.
XX
PI Rattner, JB; Yen, TJ;
XX
DR WPI; 1996-287116/29.
DR N-PSDB; AAV34578.
PT DNA encoding kinetochore protein - used as a marker for the G2 and M phases of a cell cycle, partic. for detection of malignant diseases

PT genes from *Drosophila* and for elucidating cell signalling and cell-cell interactions -
XX
PS Disclosure; SEQ ID NO 10659; 21pp + Sequence Listing; English.
XX
CC The invention relates to an isolated nucleic acid detection reagent
CC capable of detecting 1000 or more genes from *Drosophila*. The invention is
CC useful in developmental biology and in elucidating cell signalling and
CC cell-cell interactions in higher eukaryotes for the development of
CC insecticides, therapeutics and pharmaceutical drugs. The invention
CC discloses genomic DNA sequences (ABL16175-ABL30511), expressed DNA
CC sequences (ABL1040-ABL16175) and the encoded proteins
CC (AB57737-ABY2072).
CC The sequence for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at [ftp://wipo.int/pub/published-pct-sequences](http://wipo.int/pub/published-pct-sequences).
XX
SQ Sequence 455 AA:

DR WPI: 2001-639362/73.
DR N-PSDB; AAS69327.

XX
PT New isolated poly nucleotides and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations PT for genetic disorders or other traits and to assess PT biodiversity -
XX
PS Claim 20; SEQ ID NO 35499; 103pp; English.

XX The invention relates to isolated poly nucleotide (I) and poly peptide (II) sequences. (I) is useful as hybridization probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The poly nucleotides are also used in diagnostics as expressed sequence tags for identifying expressed gene. (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (III). (III) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (III) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and poly nucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. AAB0010-AB030377 represent novel human diagnostic amino acid sequences of the invention.
Note: The sequence data for this patient did not appear in the printed specification, but was obtained in electronic format directly from WIPO at ftp://wipo.int/pub/published_pct_sequences.

XX Sequence 808 AA;

Query Match 14.5%; Score 154.5; DB 22; Length 808;
Best Local Similarity 21.9%; Pred. No. 0.00016; DB 22; Length 808;
Matches 51; Conservative 58; Mismatches 91; Indels 33; Gaps 6;

QY 10 DLQAEEENYLDRTELKNELNDVNRQLSQDKKEKEKQSKVQIDTLDLERNATVVSQQA 69
Db 383 dmllevkerkin-vlgkqklenlgqlrddqktnlkavsklqtdsnttdatialeea 410
QY 70 LGKAEMLCSTLKKQMKYLEQQDETQAOE---AGRURSKMKTMEQTELLQS- 120
Db 441 lsekrierielk---sqreerdrerleefesfrkenkdkkvnaqeltekessl 494
QY 130 RDGVGQS-----AVFQAVYCVSLK---KYEENLKEARKRASGEVAD 168
Db 495 idkehasslasaglkrdsklksleialeqkceesklaqikkahniedsrrnpefad 554
QY 169 KLR--KDFSSRSKLOTYSELDOAKLEKSKAQDLOSADKEIMSLKKLTM 218
Db 555 qikqldakeesyyrdecgkqgaevvrlleilkevenekndkdktkael-esltl 606
QY 212 LKKKTMLO 220
Db 408 neadikrie 416

RESULT 17

ID AAB96721
ID AAB96721 standard; Protein; 1177 AA.

AC AAB96721;

DT 29-OCT-2001 (first entry)

DE Putative P. abyssi ATPase involved in DNA repair #3.

KW Hyperthermophilic archaeon; hyperthermophilic protein.

OS Pyrococcus abyssi.

XX FR2792651-A1.

PD 27-OCT-2000.

XX
PF 21-APR-1999; 99FR-0005034.
XX
PR 21-APR-1999; 99FR-0005034.

XX
PA (CNRS) CNRS CENT NAT RECH SCI.
PA (IFRE-) IFREMER INST FR RECH EXPL MER.

XX
PI Forreire P, Thierry JC, Prieur D, Dietrich J, Lecompte O;
PI Querellou J, Weissbach J, Saurin W, Heilig R;
DR WPI: 2001-126236/14.

XX
PT New nucleotide sequences isolated from Pyrococcus abyssi encode proteins useful in industry -
XX
PS Claim 7; Pages 1483-1487; 1657pp; French.

XX The present invention relates to the genomic sequence of Pyrococcus abyssi (see AAB86431 and AAH4122-7) and P. abyssi proteins. P. abyssi is a hyperthermophilic archaeon, which is isolated from deep-sea hydrothermal vents. The present sequence is one such P. abyssi protein. The proteins of the present invention have various potential industrial uses, since the proteins are stable at very high temperatures, some up to 110 degrees centigrade.

Note: This patent is in the same Patent family as WO200055062, which contains additional sequences as shown in AAB99132-AAB99143, AAH75903-AAH75920 and AAG66436.

XX Sequence 1177 AA;

Query Match 14.4%; Score 154; DB 22; Length 1177;
Best Local Similarity 22.9%; Pred. No. 0.00028; DB 22; Length 1177;
Matches 57; Conservative 61; Mismatches 87; Indels 44; Gaps 10;

QY 6 KLFDDLAQEENVNLDRFELKNELNDVNRQLSQDKKEKEKQSKVQIDTLDLERNATVVS 65
Db 178 kalqkqgqenarlvdlire--vkkqkldklerndalryld-kerlerarveli- 232
QY 66 LQOALGAKEMLCSTLKKQMKYLEQQDETQAOE---AGRURSKMKTMEQTELLQS- 120
Db 233 ---lgeikkveseikgnderiekikieekleekleikakrakevkeleke 288
QY 121 -----OLPVEEM---RDMGVGQOSAVEOLAVYCVSILKEVEN-LKEARKASGE 165
Db 289 sseeaalkitritegevnvsklnlakrnievakkeldeaqirlikakdekkviseiksga 348
QY 165 VA-----DLKURDFSSRSKLOTYSELDOQ---AKLEKSKAQDLOSADKEIMSLKKLTM 211
Db 349 iargwkrkrkeallnki-kelieenrnklvvkkgelidrtfawareefdnvvkkelnarkslye 407
QY 212 LKKKTMLO 220
Db 408 neadikrie 416

RESULT 18

ID ABB58673
ID ABB8673 standard; Protein; 1456 AA.

AC ABB58673;

DT 26-MAR-2002 (first entry)

DE Drosophila melanogaster poly peptide SEQ ID NO 2811.

KW Drosophila; developmental biology; cell signalling; insecticide;

OS Pyrococcus abyssi.

XX FR2792651-A1.

PD WO200171042-A2.

DE Drosophila melanogaster polypeptide SEQ ID NO 13074.
 XX
 KW Drosophila; developmental biology; cell signalling; insecticide;
 KW pharmaceutical.
 XX
 OS Drosophila melanogaster.
 XX
 PN WO200171042-A2.
 XX
 PD 27-SEP-2001.
 XX
 PF 23-MAR-2001; 2001WO-US09231.
 XX
 PR 23-MAR-2000; 2000US-191637P.
 PR 11-JUL-2000; 2000US-0614150.
 XX
 PA (PEKE) PE CORP NY.
 XX
 PT Venter JC, Adams M, Li PWD, Myers EW;
 XX
 DR WPI; 2001-656860/75.
 DR N-PDBB; ABL06197.
 XX
 PT New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -
 PT
 XX
 PS Disclosure; SEQ ID NO 13074; 21pp + Sequence Listing; English.
 XX
 CC The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176 ABL3011), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (AB557737-ABBY2072).
 CC The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
 XX
 Sequence 1975 AA;
 SQ
 Query Match 14.3%; Score 152; DB 22; Length 1975;
 Best Local Similarity 24.0%; Pred. No. 0.00077; Mismatches 53; Conservative 49; Indels 26; Gaps 5;
 Matches 53;
 QY 24 LKNEILDNVRQLSKDKKEERDSVQIDTLDLTERNATVWSIQLQALKRAEMLCST-- 79
 Db 1470 lqamlrninqeeksnletdkrmkaisaqaleekkrhrndecqmlrilaqtendoaatsee 1529
 QY 80 -----LKQKMKYLEQQDETQKQAEQEGRLRSKMKM-----QIELLQSQ 121
 Db 1530 nqqueerleksrqcsksklnekrrqleelakvegraskielqlqavamegdltqmalqek 1589
 QY 122 LPEVEEMIRDMGVGQSAVQAVCVSLKKEYENIKEARKASSEGEVADKLKRDIFSSRSKU 181
 Db 1590 dcsirqmarlqnralqtledctalkstvdqkleriqksavsetqlgektlkkel 1649
 QY 182 --QTYVSELDQAKELKSAQKQDADKEIMSLKKLTMLQ 220
 Db 1650 seqqhosqanedkikl-vqksltaenekrilterldsq 1688
 RESULT 21
 ID ABB71125 standard; Protein; 2067 AA.
 AC
 XX
 DT 26-MAR-2002 (first entry)
 XX
 DE Drosophila melanogaster polypeptide SEQ ID NO 40167.
 XX
 KW Drosophila; developmental biology; cell signalling; insecticide;
 KW pharmaceutical.
 XX
 OS Drosophila melanogaster.
 XX
 PN WO200171042-A2.
 XX
 PD 27-SEP-2001.
 XX
 PF 23-MAR-2001; 2001WO-US09231.
 XX
 PR 23-MAR-2000; 2000US-191637P.
 PR 11-JUL-2000; 2000US-0614150.
 XX
 PA (PEKE) PE CORP NY.
 XX
 PT Venter JC, Adams M, Li PWD, Myers EW;
 XX
 DR WPI; 2001-656860/75.
 DR N-PSSB; ABL15228.
 XX
 PT New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions -
 PT
 XX
 PS Disclosure; SEQ ID NO 40167; 21pp + Sequence Listing; English.
 XX
 CC The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176 ABL3011), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (AB557737-ABBY2072).
 CC The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
 CC
 XX
 Sequence 2067 AA;
 SQ
 Query Match 14.3%; Score 152; DB 22; Length 2067;
 Best Local Similarity 23.9%; Pred. No. 0.00081; Mismatches 62; Conservative 49; Indels 64; Gaps 9; Matches 62;
 QY 11 LAQSERENVDREFLKNEELNVRQLSKDKKE-----RDSQVIDTLDLTL----- 57
 Db 1655 legeenkvriraql---elsvqrgdrigkeefentrrknhraidsqasileakg 1711
 QY 58 -----ERNATVWSIQLQALKRAEMLCSTLKKMKLLEQQDETQKQAEQEGRLRSK 108
 Db 1712 kaeslrmkikleadineleialdhankanaeaqknikyqqqkdkiqtaaleegradha 1771
 QY 109 KTMQIEL-----LQSOLPVEEMIRDMGVGQSAVQAVCVSLKKEYENIKEARKA 162
 Db 1772 r--eqlgiserranalqneeleesttledaqdrgrqaq-----eladaheqnrsaq 1823
 QY 163 SGEVADKLKRDIFSSRSKUOTVSELDQAKELKSAQKQDADKEIMSLKKLTMLQ 220
 Db 1824 nasisaakr---leselqtlhsdilelnpeaknseekakkamvdaarladelraedh 1879
 QY 202 LQSADKEIMSLKKLTMLQ 220
 Db 1880 aqtqekirkraleqkikelq 1898
 RESULT 22
 ID ABG03671
 ID ABG03671 standard; Protein; 463 AA.
 XX

KW	Tobacco: MAR-binding filament-like protein 1; MP1; matrix attachment region; MAR; anchor protein.
XX	Nicotiana tabacum.
OS	
FH	
FT	Misc-difference 162 /note= "encoded by TC" Misc-difference 672 /note= "encoded by GAGATT"
FT	
XX	WO20061615-A2.
PN	
XX	19-OCT-2000.
PD	
XX	12-APR-2000; 2000WO-US09723.
PR	
XX	12-APR-1999; 99US-0128900.
PA	
XX	(DUPO) DU PONT DE NEMOURS & CO E I.
PI	
XX	Harder PA, Meier I;
DR	
DR	WPI: 2000-679464/66. N-PSDB; AAA95001.
XX	
XX	Nucleic acid fragments from tobacco, corn, soybean and rice, encoding proteins that are homologs to the MAR binding filament-like protein 1 (MP1), useful for development of novel phenotypes -
PS	
XX	Claim 4; Page 45-47; 62pp; English.
CC	
CC	The present sequence is encoded by NTMP1-1 cDNA from tobacco. It is a homologue of the matrix attachment region (MAR) binding filament-like protein 1 (MP1) from tomato. MP1 has features of a novel anchor protein that most likely connects chromatin via MAR DNA with the nuclear envelope and nuclear filament proteins. MP1 nucleic acids and proteins may be used to better understand the mechanisms underlying this process so that the attachment of transgenes to the nuclear matrix may be used routinely to improve gene expression. They may be used to study MP1 expression, leading to the creation of novel developmental phenotypes that may be beneficial for crop growth and development. In addition, if the reduction in expression of one of the genes leads to a growth or developmental defect in the plant, this gene can be used as a novel herbicide target.
CC	
CC	Sequence 721 AA;
SQ	
Query Match	14 2%; Score 151; DB 21; Length 721;
Best Local Similarity	23.1%; Pred. No. 0.0027;
Matches	55; Conservative 46; Mismatches 99; Indels 38; Gaps 6;
Qy	5 NKLFLDPAQEENVLDRFLREIQLNEIDNVRAQLSQDKDEKEKRSQVLDLRTLEERNATV 64
Db	400 nvliadltqekeni-rrmidaeni-----sklklevq----tqetleksrds 446
Qy	65 SLOOALGKAEMLCSTLKKMKYLEQQDDETK-----QAQEEARGLRSKMKTMQEIEL 116
Db	447 diaqqlqgssrhlcskleavskigkqmeleartslrnidetkrgaellaeltt--- 503
SQ	
Query Match	14 2%; Score 151; DB 21; Length 721;
Best Local Similarity	23.1%; Pred. No. 0.0027;
Matches	55; Conservative 46; Mismatches 99; Indels 38; Gaps 6;
Qy	5 NKLFLDPAQEENVLDRFLREIQLNEIDNVRAQLSQDKDEKEKRSQVLDLRTLEERNATV 64
Db	400 nvliadltqekeni-rrmidaeni-----sklklevq----tqetleksrds 446
Qy	65 SLOOALGKAEMLCSTLKKMKYLEQQDDETK-----QAQEEARGLRSKMKTMQEIEL 116
Db	447 diaqqlqgssrhlcskleavskigkqmeleartslrnidetkrgaellaeltt--- 503
SQ	
Query Match	14 2%; Score 151; DB 21; Length 721;
Best Local Similarity	23.1%; Pred. No. 0.0027;
Matches	55; Conservative 46; Mismatches 99; Indels 38; Gaps 6;
Qy	5 NKLFLDPAQEENVLDRFLREIQLNEIDNVRAQLSQDKDEKEKRSQVLDLRTLEERNATV 64
Db	400 nvliadltqekeni-rrmidaeni-----sklklevq----tqetleksrds 446
Qy	65 SLOOALGKAEMLCSTLKKMKYLEQQDDETK-----QAQEEARGLRSKMKTMQEIEL 116
Db	447 diaqqlqgssrhlcskleavskigkqmeleartslrnidetkrgaellaeltt--- 503
SQ	
Query Match	14 1%; Score 150; DB 22; Length 990;
Best Local Similarity	24.6%; Pred. No. 0.0048;
Matches	60; Conservative 49; Mismatches 95; Indels 40; Gaps 8;
Qy	13 QEEENVLDREIQLNEIDNVRAQLSQDKDEKEKRSQVLDLRTLEERNATV 69
Db	713 enkelesekeakkgylellkasfktterlevsygldienqlqtlensnkqglese 772
Qy	70 LGKAEMLCSTLKKMKYLEQQDDETK-----QAQEEARGLRSKMKTMQEIEL 122
Db	773 lqdlemengtlqknleelkisskrqlekenkslegetsqlekkqlekenkirkqa 832

QY	123 PEVEEMIRDKGV-----GQSAYEQLAVY---CVSLKK-BYNIKEKARRASGEVAD--	168
Db	833 eikdtleenvkigplekenktlsigiykescvrklekelekenelvkratidktlv	892
QY	169 KLRKDIFSSRSKLTQTYSELDQAKLEKKS-----AQDQSA-----KEIMSL	212
Db	893 tlredivsekiktqmnndleklthelkiglnkerlhdqsttadsrykleskestl	952
Oy	213 RKKL 216	
Db	953 kksl 956	
RESULT	29	
AY15457	:	
ID	AY15457 standard; Protein; 1761 AA.	
XX	:	
AC	AY15457;	
XX	:	
DT	26-JUL-1999 (first entry)	
DE	Human laminin beta 4 protein.	
XX	:	
KW	Laminin 12; alpha 2; beta 1; gamma 3; subunit; nerve regeneration; connective tissue adhesion; tissue repair; wound; nerve growth;	
KW	laminin beta 4.	
OS	Homo sapiens.	
XX	:	
PN	WO9919348-A1.	
XX	:	
PD	22-APR-1999.	
XX	:	
PF	08-OCT-1998; 98WO-US21391.	
XX	:	
PR	10-OCT-1997; 97US-0061609.	
XX	:	
PA	(GENO) GEN HOSPITAL CORP.	
XX	:	
PA	Brunkent W, Burgeson RE, Champiand M, Koch M, Olson P;	
XX	:	
DR	WPI: 1999-326542/27.	
XX	:	
DR	N-PSDB; AAX59765.	
XX	:	
PT	Purified laminin 12 useful for promoting tissue repair and promoting nerve growth	
XX	:	
PS	Disclosure: Page 59-64; 86pp; English.	
XX	:	
PT	The specification describes laminin 12 which includes an alpha 2, beta 1 and gamma 3 subunit. Laminin is a connective tissue adhesion molecule. Laminin is useful for promoting tissue repair due to wounds and to promote nerve growth or regeneration. The present sequence represents human laminin beta 4.	
CC		
SQ	Sequence 1761 AA;	
Query Match	14 0%; Score 149.5; DB 20; Length 1761;	
Best Local Similarity	23.8%; Pred. No. 0.0011;	
Matches	61; Conservative 49; Mismatches 99; Indels 47; Gaps 9;	
QY	12 AQQEENV--LDREP--LKNELDNVRAQL-----SQDKKEKRDSQVI 48	
Db	1422 aqeqsksirnlkdqyrgkinqsiseqaevsknhalqireklgnirnqsdseeeninf 1481	
QY	49 1DTRDFTLEERNATVSLQOAIK-----KAEMLCTSIKKOMYL---EQODETK 95	
Db	1482 ikkvnfnleenvppediekvngvldihipipsgnltelvkqkhmqcedyrtdn 1541	
Oy	96 QAQEEAG-RLRSKMTME--TMLLOQSLPVEEMIRDMGVGOSAVRLOAVCVSL 150	
Db	1542 sneedagdqadgqilivkakaekaaanllndktnlqqaqtqgranitcitanitkik 1601	
RESULT	30	
AY15457	:	
ID	AAB29659 standard; Protein; 359 AA.	
XX	:	
AC	AAB29659;	
XX	:	
DT	23-FEB-2001 (first entry)	
DE	Human membrane-associated protein HUMAP-16.	
XX	:	
KW	Human membrane-associated protein; HUMAP; transgenic organism; drug screening; cell signalling modulator; agonist; antagonist; cell differentiation modulator; cell proliferation modulator; cell proliferative disorder; cancer; cell differentiation disorder; developmental disorder; cell signalling disorders; endocrine disorder; hyperpituitarism; hypothyroidism; infection; pancreatic disorder; pancreatic mellitus; immunological disorder; hereditary neuropathy; gonadal steroid hormone associated disorder; infertility.	
KW		
OS	Homo sapiens.	
XX	:	
PN	WO2000065054-A2.	
XX	:	
PD	02-NOV-2000.	
XX	:	
PF	20-APR-2000; 2000WO-US10884.	
XX	:	
PR	23-APR-1999; 99US-0130694.	
XX	:	
PR	23-JUN-1999; 99US-0140580.	
XX	:	
PA	(INCY-) INCYTE GENOMICS INC.	
XX	:	
PA	Hillman JL, Bandhan O, Tang YT, Lal P, Yue H, Reddy R, Azimzai Y; PI Baughn MR;	
XX	:	
DR	WPI: 2000-687346/67.	
XX	:	
DR	N-PSDB; AAC64289.	
XX	:	
PT	Human membrane-associated protein, useful for diagnosis and treatment of cell signalling, cell differentiation and cell proliferation disorders such as cancer, and for identifying agonists and antagonists	
PT		
PT		
PT		
PS	Claim 1: Page 86-87; 99pp; English.	
XX	:	
CC	The invention relates to 17 human membrane-associated proteins, HUMAP-1 to HUMAP-17 (AAB2964-B29660) and the cDNAs encoding them (AAC64274-CG6290). The invention also relates to expression constructs, host cells and transgenic organisms comprising a HUMAP nucleic acid sequence, the recombinant preparation of a HUMAP, methods of screening compounds for their ability to modulate HUMAP activity or expression, and pharmaceutical compositions comprising a HUMAP protein, a HUMAP agonist or HUMAP antagonist. The HUMAP acts as modulators of cell signalling, differentiation and proliferation. A HUMAP is useful for screening a compound for effectiveness as an agonist or antagonist of HUMAP activity. The protein, or the identified agonist or antagonist is useful for treating a disease or condition associated with decreased or increased expression of functional HUMAP. A HUMAP nucleic acid is useful for screening a compound for its ability to alter expression of that particular HUMAP gene. A wide variety of disease may be treated using compositions of the invention. These diseases include cell proliferative disorders (e.g., actinic keratosis, arteriosclerosis); cancer (e.g.,	

51 TLRDTLEERNATVVLQQ-----ALGKAEMLCSTLKKOMKYLEQQQDETQKQAEEAR 103		CC	Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
Db	1356 rarselqk---ctklqgqaeninqleelkasaavasasmesqlaqqleelr 1412	CC	
Qy	104 ---LRSKMKTMEQIELLUQSQPVEEMIRDMGVGOSAVELAVYCVSIRKEYNLKEA 159	CC	
Db	1413 qkiglsskqiqeekalqgqleeddekkny--ertkaevttqmgqeikkkeedadl 1469	CC	
Db	160 RKASGEVADKLRKPLFSSRSKQTVYSELQDQAKLEKSAQKDLQSADEKIMSLKKKLTM 219	CC	
Qy	1470 akeleegkkrlnkdiealerqkeliapndrldkskkkiqseledatieleaqrtkvie 1529	CC	
Qy	220 Q 220	CC	
Db	1530 e 1530	CC	
RESULT 34		Sequence	2633 AA;
ID	ABG06505 standard; Protein; 2633 AA.	Query	13 QBEEVNLDREFLKNELDNVRQLSQDKEK-RDSQVITLRTLEERNATVVLQALG 71
XX	ABG06505;	Match	1638 etqekmceiehikeqfetqklnlenistemirntq---lhenleemr-svtkeradl 1692
XX	13-FEB-2002 (first entry)	Best Local Similarity	25.1%; Pred. No. 0.0026;
DE	Novel human diagnostic protein #6496.	Mismatches	91; Indels 31; Gaps 9
DE	Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder.	AC	72 KAEMLCSTLKKMVKYLEQQDENT---KQAOERAG---RLRSKMKTMEQIELLLQSQLP 123
DE	KW Homo sapiens.	DB	1693 sve--etlkverdqkenlretitrdlekgeeklkhmkhqegetidkrlgivisekt 1749
XX	XX	Qy	124 EYEEEMIRDGMGVGOSAV-----ELAVYCVSIRKEYNLKEA 172
AC	XX	Db	1750 elismqkdehnsdakqdkiqeelirahmkhqegetidkrlgivisektaklsmqk 1809
XX	13-FEB-2002 (first entry)	Qy	173 DIFSSRSKQTVYSELQDQAKLEKSAQKDLQSADEKIMSLKKKL 216
DE	Novel human diagnostic protein #6496.	Db	1810 dlensnaklqekiqeklkanhqeqlitkkdnnetqkqvsemeq1kkq 1856
DE	Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder.	RESULT 35	
XX	XX	ID	AAM39097 standard; Protein; 2663 AA.
PN	WO200175067-A2.	XX	
XX	PD 11-OCT-2001.	AC	AAM39097;
XX	PF 30-MAR-2001; 2001WO-US086631.	XX	
XX	PR 31-MAR-2000; 2000US-0540217.	DE	Human polypeptide SEQ ID NO 2242.
XX	PR 23-AUG-2000; 2000US-0649167.	XX	Human; nootropic; immunosuppressant; cytostatic; gene therapy; cancer; peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease; haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chemokinetic; thrombolytic; drug screening; arthritis; inflammation; leukaemia.
PA	(HYSE-) HYSEQ INC.	XX	
XX	PA Drmanac RT, Liu C, Tang YT;	XX	
PT	XX	OS Homo sapiens.	
PT	WPI; 2001-639362/73.	XX	
DR	XX	OS Homo sapiens.	
DR	N-PSDB; AAS70592.	XX	
PT	XX	PN WO200153312-A1.	
PT	XX	PD 26-JUL-2001.	
PT	XX	PF 26-DEC-2000; 2000WO-US34263.	
PT	XX	PR 21-JAN-2000; 2000US-0488725.	
PT	XX	PR 21-APR-2000; 2000US-052317.	
PT	PR 09-JUL-2000; 2000US-0598042.		
PT	PR 19-JUL-2000; 2000US-0620312.		
PT	PR 03-AUG-2000; 2000US-0633450.		
PT	PR 14-SEP-2000; 2000US-0652191.		
PT	PR 19-OCT-2000; 2000US-0693036.		
PT	PR 29-NOV-2000; 2000US-0727344.		
PT	XX	PR (HYSE-) HYSEQ INC.	
PT	XX	PI Tang YT, Liu C, Asundi V, Chen R, Ma Y, Qian XB, Ren F, Wang D;	
PT	PI Wang J, Wang Z, Wehrman T, Xu C, Xue AJ, Yang Y, Zhang J;		
PT	PI Zhao QA, Zhou P, Goorrich R, Drmanac RT;		
PT	XX	DR WPI; 2001-442253/47.	
PT	DR N-PSDB; AAS158253.		
PT	XX	PT Novel nucleic acids and polypeptides, useful for treating disorders such as central nervous system injuries -	
PT	PT amino acid sequences ABG06505; ABG06507 represent novel human diagnostic amino acid sequences of the invention.		

XX Arabidopsis thaliana.
 OS
 XX
 PN EP1033405-A2.
 XX
 PD 06-SEP-2000.
 XX
 PF 25-FEB-2000; 20000ER-0301439.
 XX
 PR 25-FEB-1999; 990US-0121825.
 PR 05-MAR-1999; 990US-0123180.
 PR 09-MAR-1999; 990US-0123548.
 PR 23-MAR-1999; 990US-0125788.
 PR 25-MAR-1999; 990US-016264.
 PR 29-MAR-1999; 990US-016785.
 PR 01-APR-1999; 990US-0127462.
 PR 06-APR-1999; 990US-0128234.
 PR 08-APR-1999; 990US-0128714.
 PR 16-APR-1999; 990US-0129845.
 PR 19-APR-1999; 990US-0130077.
 PR 21-APR-1999; 990US-0130449.
 PR 23-APR-1999; 990US-0130510.
 PR 23-APR-1999; 990US-0130891.
 PR 28-APR-1999; 990US-0132048.
 PR 30-APR-1999; 990US-0132407.
 PR 04-MAY-1999; 990US-0132484.
 PR 05-MAY-1999; 990US-0132485.
 PR 06-MAY-1999; 990US-0132486.
 PR 06-MAY-1999; 990US-0132487.
 PR 07-MAY-1999; 990US-0132863.
 PR 11-MAY-1999; 990US-0134256.
 PR 14-MAY-1999; 990US-0134218.
 PR 14-MAY-1999; 990US-0134219.
 PR 14-MAY-1999; 990US-0134221.
 PR 14-MAY-1999; 990US-0134370.
 PR 18-MAY-1999; 990US-0134768.
 PR 19-MAY-1999; 990US-0134941.
 PR 20-MAY-1999; 990US-0134944.
 PR 21-MAY-1999; 990US-0135353.
 PR 24-MAY-1999; 990US-0135629.
 PR 25-MAY-1999; 990US-0136021.
 PR 27-MAY-1999; 990US-0136392.
 PR 28-MAY-1999; 990US-0136782.
 PR 01-JUN-1999; 990US-0137222.
 PR 03-JUN-1999; 990US-0137528.
 PR 04-JUN-1999; 990US-0137502.
 PR 07-JUN-1999; 990US-0137724.
 PR 08-JUN-1999; 990US-0138094.
 PR 10-JUN-1999; 990US-0138540.
 PR 10-JUN-1999; 990US-0138847.
 PR 14-JUN-1999; 990US-0139119.
 PR 16-JUN-1999; 990US-0139452.
 PR 17-JUN-1999; 990US-0139453.
 PR 18-JUN-1999; 990US-0139459.
 PR 18-JUN-1999; 990US-0139460.
 PR 18-JUN-1999; 990US-0139461.
 PR 18-JUN-1999; 990US-0139462.
 PR 18-JUN-1999; 990US-0139463.
 PR 18-JUN-1999; 990US-0139458.
 PR 18-JUN-1999; 990US-0139763.
 PR 21-JUN-1999; 990US-0139817.
 PR 22-JUN-1999; 990US-0139899.
 PR 23-JUN-1999; 990US-0140353.
 PR 23-JUN-1999; 990US-0140354.
 PR 24-JUN-1999; 990US-0140695.
 PR 28-JUN-1999; 990US-0140823.
 PR 29-JUN-1999; 990US-0140991.
 PR 30-JUN-1999; 990US-0141287.
 PR 01-JUL-1999; 990US-0141842.
 PR 02-JUL-1999; 990US-0142055.
 PR 06-JUL-1999; 990US-01422390.
 PR 08-JUL-1999; 990US-0142803.
 PR 09-JUL-1999; 990US-0142920.
 PR 12-JUL-1999; 990US-0142977.
 PR 13-JUL-1999; 990US-0143542.
 PR 14-JUL-1999; 990US-0143624.
 PR 15-JUL-1999; 990US-0144005.
 PR 16-JUL-1999; 990US-0144085.
 PR 16-JUL-1999; 990US-0144086.
 PR 19-JUL-1999; 990US-0144325.
 PR 19-JUL-1999; 990US-0144331.
 PR 19-JUL-1999; 990US-0144332.
 PR 19-JUL-1999; 990US-0144333.
 PR 19-JUL-1999; 990US-0144334.
 PR 19-JUL-1999; 990US-0144335.
 PR 20-JUL-1999; 990US-0144632.
 PR 20-JUL-1999; 990US-0144884.
 PR 20-JUL-1999; 990US-0144888.
 PR 21-JUL-1999; 990US-0144814.
 PR 21-JUL-1999; 990US-0145086.
 PR 21-JUL-1999; 990US-0145335.
 PR 22-JUL-1999; 990US-0145352.
 PR 22-JUL-1999; 990US-01455087.
 PR 22-JUL-1999; 990US-014589.
 PR 22-JUL-1999; 990US-01459192.
 PR 22-JUL-1999; 990US-01459198.
 PR 23-JUL-1999; 990US-0145145.
 PR 23-JUL-1999; 990US-0145218.
 PR 23-JUL-1999; 990US-0145224.
 PR 23-JUL-1999; 990US-0145276.
 PR 26-JUL-1999; 990US-0145389.
 PR 27-JUL-1999; 990US-0145913.
 PR 27-JUL-1999; 990US-0145918.
 PR 27-JUL-1999; 990US-0145919.
 PR 28-JUL-1999; 990US-0145951.
 PR 02-AUG-1999; 990US-0146386.
 PR 02-AUG-1999; 990US-0146388.
 PR 02-AUG-1999; 990US-0146399.
 PR 03-AUG-1999; 990US-0145918.
 PR 04-AUG-1999; 990US-0145919.
 PR 04-AUG-1999; 990US-0147302.
 PR 05-AUG-1999; 990US-0147192.
 PR 05-AUG-1999; 990US-0147260.
 PR 06-AUG-1999; 990US-0147303.
 PR 06-AUG-1999; 990US-0147416.
 PR 09-AUG-1999; 990US-0147204.
 PR 09-AUG-1999; 990US-0147935.
 PR 10-AUG-1999; 990US-0148171.
 PR 11-AUG-1999; 990US-0148319.
 PR 12-AUG-1999; 990US-0148341.
 PR 13-AUG-1999; 990US-0145565.
 PR 13-AUG-1999; 990US-0146684.
 PR 16-AUG-1999; 990US-0145368.
 PR 17-AUG-1999; 990US-0145175.
 PR 18-AUG-1999; 990US-0149426.
 PR 20-AUG-1999; 990US-0147722.
 PR 20-AUG-1999; 990US-0147723.
 PR 20-AUG-1999; 990US-0149929.
 PR 23-AUG-1999; 990US-0149902.
 PR 23-AUG-1999; 990US-0149930.
 PR 25-AUG-1999; 990US-0150566.
 PR 26-AUG-1999; 990US-0150884.
 PR 27-AUG-1999; 990US-0150655.
 PR 27-AUG-1999; 990US-0150666.
 PR 30-AUG-1999; 990US-0151303.
 PR 31-AUG-1999; 990US-0151438.
 PR 01-SEP-1999; 990US-0151930.
 PR 07-SEP-1999; 990US-0152363.
 PR 10-SEP-1999; 990US-0153070.

PR	18-JUN-1999;	99US-0139463.
PR	18-JUN-1999;	99US-0139763.
PR	21-JUN-1999;	99US-0139817.
PR	22-JUN-1999;	99US-0139899.
PR	23-JUN-1999;	99US-0140353.
PR	23-JUN-1999;	99US-0140354.
PR	01-JUL-1999;	99US-0140354.
PR	01-JUL-1999;	99US-0140354.
PR	02-JUL-1999;	99US-0140355.
PR	06-JUL-1999;	99US-0142350.
PR	08-JUL-1999;	99US-0142803.
PR	09-JUL-1999;	99US-0142920.
PR	12-JUL-1999;	99US-0142977.
PR	13-JUL-1999;	99US-0143542.
PR	14-JUL-1999;	99US-0143624.
PR	15-JUL-1999;	99US-0144005.
PR	16-JUL-1999;	99US-0144085.
PR	17-JUL-1999;	99US-0144186.
PR	19-JUL-1999;	99US-0144325.
PR	19-JUL-1999;	99US-0144331.
PR	19-JUL-1999;	99US-0144332.
PR	19-JUL-1999;	99US-0144333.
PR	19-JUL-1999;	99US-0144334.
PR	19-JUL-1999;	99US-0144335.
PR	20-JUL-1999;	99US-0144352.
PR	20-JUL-1999;	99US-0144632.
PR	20-JUL-1999;	99US-0144884.
PR	21-JUL-1999;	99US-0145086.
PR	21-JUL-1999;	99US-0145086.
PR	21-JUL-1999;	99US-0145088.
PR	21-JUL-1999;	99US-0145089.
PR	22-JUL-1999;	99US-0145087.
PR	22-JUL-1999;	99US-0145087.
PR	22-JUL-1999;	99US-0145192.
PR	23-JUL-1999;	99US-0145145.
PR	23-JUL-1999;	99US-0145218.
PR	23-JUL-1999;	99US-0145224.
PR	23-JUL-1999;	99US-0145276.
PR	27-JUL-1999;	99US-0145913.
PR	27-JUL-1999;	99US-0145918.
PR	27-JUL-1999;	99US-0145919.
PR	28-JUL-1999;	99US-0145951.
PR	02-AUG-1999;	99US-0146386.
PR	02-AUG-1999;	99US-0146388.
PR	02-AUG-1999;	99US-0146959.
PR	03-AUG-1999;	99US-0147038.
PR	04-AUG-1999;	99US-0147204.
PR	05-AUG-1999;	99US-0147302.
PR	05-AUG-1999;	99US-0147303.
PR	06-AUG-1999;	99US-0147303.
PR	09-AUG-1999;	99US-0147493.
PR	09-AUG-1999;	99US-0147735.
PR	10-AUG-1999;	99US-0148171.
PR	11-AUG-1999;	99US-0148319.
PR	12-AUG-1999;	99US-0148341.
PR	13-AUG-1999;	99US-0148565.
PR	13-AUG-1999;	99US-0148684.
PR	16-AUG-1999;	99US-0149368.
PR	17-AUG-1999;	99US-0149175.
PR	18-AUG-1999;	99US-0149426.
PR	20-AUG-1999;	99US-0149722.
PR	20-AUG-1999;	99US-0149723.
PR	23-AUG-1999;	99US-0149902.
PR	23-AUG-1999;	99US-0149930.
PR	25-AUG-1999;	99US-0150566.
PR	26-AUG-1999;	99US-0150884.
PR	27-AUG-1999;	99US-0151065.
PR	27-AUG-1999;	99US-0151066.
PR	27-AUG-1999;	99US-0151080.
PR	30-AUG-1999;	99US-0151303.
PR	31-AUG-1999;	99US-0151438.
PR	01-SEP-1999;	99US-0151930.
PR	07-SEP-1999;	99US-0152363.
PR	10-SEP-1999;	99US-0153070.
PR	13-SEP-1999;	99US-0153758.
PR	15-SEP-1999;	99US-0154018.
PR	16-SEP-1999;	99US-0154039.
PR	20-SEP-1999;	99US-0154779.
PR	22-SEP-1999;	99US-0155139.
PR	23-SEP-1999;	99US-0155486.
PR	07-OCT-1999;	99US-0158029.
PR	08-OCT-1999;	99US-0158232.
PR	12-OCT-1999;	99US-0158369.
PR	29-SEP-1999;	99US-0156596.
PR	04-OCT-1999;	99US-0157117.
PR	05-OCT-1999;	99US-0157753.
PR	06-OCT-1999;	99US-0157865.
PR	07-OCT-1999;	99US-0158239.
PR	13-OCT-1999;	99US-0159295.
PR	14-OCT-1999;	99US-0159330.
PR	14-OCT-1999;	99US-0159331.
PR	14-OCT-1999;	99US-0159637.
PR	14-OCT-1999;	99US-0159638.
PR	18-OCT-1999;	99US-0159584.
PR	21-OCT-1999;	99US-0160741.
PR	21-OCT-1999;	99US-0160767.
PR	21-OCT-1999;	99US-0160768.
PR	21-OCT-1999;	99US-0160770.
PR	21-OCT-1999;	99US-0160814.
PR	21-OCT-1999;	99US-0160815.
PR	22-OCT-1999;	99US-0160980.
PR	22-OCT-1999;	99US-0160981.
PR	22-OCT-1999;	99US-0160989.
PR	25-OCT-1999;	99US-0161404.
PR	25-OCT-1999;	99US-0161405.
PR	25-OCT-1999;	99US-0161406.
PR	26-OCT-1999;	99US-0161359.
PR	26-OCT-1999;	99US-0161360.
PR	26-OCT-1999;	99US-0161361.
PR	28-OCT-1999;	99US-0161920.
PR	28-OCT-1999;	99US-0161992.
PR	28-OCT-1999;	99US-0161993.
PR	29-OCT-1999;	99US-0162142.
QY	13 QEBENVLREF-----LKNELDNVRAO---LSQKREKRSQVDTL	52
Db	173 qekdddarfrevnetaerassqhsmsdqelertrrganealandaerqrlsankl	232
Qy	53 RDTLE-----RNATVYSLQDAGKAEMLCSTLKKOMYLRQQD-----	92
Db	233 rdtieelrgslpkenkldqiledlkqjgavveerkqavtelsaksqhgkn	292
Qy	93 -ETRQAQEBAGRLSKMTMEQELLLSQLPEVEEMIRDGVG-----OSAVEOLA	143
Db	293 legleaq-wvdalserdraetis-sqlvlaekeskiaemaaatgearraaetlk	350
Qy	144 VYCVSLKREYENKE-----ARKASGEVAD-----KLRLQFSSRSKLOVY	185
Db	351 gelahlkseneketeawascdalkskleiaeasnylgaeievakmrqslqsemsmqtqil	410

QY	186	SELQDQAKLELSAQKQDLOSSADKEIMSLK	213
Db	411	stkd---aeklgareeinrlqsefssyk	435
RESULT	39		
ID	AAM79504	standard; Protein; 931 AA.	
XX	AAM79504;		
XX	06-NOV-2001	(first entry)	
XX	Human protein SEQ ID NO 3150.		
XX	Human; cytokine; cell proliferation; cell differentiation; gene therapy; vaccine; peptide therapy; stem cell growth factor; haematopoiesis; tissue growth factor; immunomodulatory; cancer; leukaemia; nervous system disorder; arthritis; inflammation.		
XX	OS Homo sapiens.		
XX	XX WO200157190-A2.		
PN	XX 09-AUG-2001.		
PD	XX 05-FEB-2001; 2001WO-US04098.		
PF	XX 03-FEB-2000; 2000US-0496914.		
PR	XX 27-APR-2000; 2000US-0560875.		
PR	XX 20-JUN-2000; 2000US-0598075.		
PR	XX 19-JUL-2000; 2000US-0620325.		
PR	XX 01-SEP-2000; 2000US-054936.		
PR	XX 15-SEP-2000; 2000US-0663561.		
PR	XX 20-OCT-2000; 2000US-0633325.		
PR	XX 30-NOV-2000; 2000US-07288422.		
PA	(HYSE-) HYSEQ INC.		
XX	Tang YT, Liu C, Drmanac RT, Asundi V, Zhou P, Xu C, Cao Y, Ma Y; Zhao QA, Wang D, Wang J, Zhang J, Ren F, Chen R, Wang ZW; Xue AJ, Yang Y, Wejhrman T, Goodrich R; WPI; 2001-476283/51.		
XX	DR N-PSDB; AAK52637.		
XX	PT Nucleic acids encoding polypeptides with cytokine-like activities, useful in diagnosis and gene therapy.		
XX	PT Nucleic acids encoding polypeptides with cytokine-like activities, useful in diagnosis and gene therapy.		
PS	XX Claim 20; Page 266-267; 6221pp; English.		
XX	The invention relates to polynucleotides (AAK51456-AAK53435) and the encoded polypeptides (AAK7323-AAK80302) that exhibit activity relating to cytokine, cell proliferation or cell differentiation or which may induce production of other cytokines in other cell populations. The polynucleotides and polypeptides are useful in gene therapy, vaccines or peptide therapy. The polypeptides have various cytokine-like activities, e.g. stem cell growth factor activity, haemopoiesis regulating activity, activity, tissue growth factor activity, immunomodulatory activity and activin/inhibin activity and may be useful in the diagnosis and/or treatment of cancer, leukaemia, nervous system disorders, arthritis and inflammation. Note: Records for SEQ ID NO 2110 (AAK52581), 2111 (AAK52582) and 3666 (AAK8020) are omitted as the relevant pages from the sequence listing were missing at the time of publication.		
SQ	Sequence 931 AA;		
RESULT	40		
ID	ABG01723	standard; Protein; 1851 AA.	
XX	ABG01723;		
AC	XX ABG01723;		
XX	DT 13-FEB-2002 (first entry)		
XX	DE Novel human diagnostic protein #1714.		
XX	KW Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder.		
XX	OS Homo sapiens.		
XX	PN WO200175067-A2.		
PD	XX 11-OCT-2001.		
XX	PP 30-MAR-2001; 2001WO-US08631.		
XX	PR 31-MAR-2000; 2000US-0540217.		
PR	XX 23-AUG-2000; 2000US-0649167.		
PA	(HYSE-) HYSEQ INC.		
XX	PT Drmanac RT, Liu C, Tang YT;		
XX	DR WPI; 2001-639362/73.		
N-PSDB;	AA565910.		
XX	PT New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity.		
XX	PT Claim 20; SEQ ID NO 32082; 103pp; English.		
PS	The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed genes. (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or		

responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. ABC0010-ABC10377 represent novel human diagnostic amino acid sequences of the invention.

Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published/pct/sequences.

Search completed: September 4, 2002, 16:09:10
Job time: 8134 sec

Job time: 8134 sec

THIS PAGE BLANK (USPTO)